

DERWENT-ACC-NO: 1987-112250

DERWENT-WEEK: 198716

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TITLE: Weather resistant matt film prodn. -
by coating base paint contg. colouring pigment on
substrate, applying top coat contg. matt pigment and drying
both films simultaneously

PATENT-ASSIGNEE: KANSAI PAINT CO LTD[KAPA] , TOYOTA
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PRIORITY-DATA: 1985JP-0198164 (September 6, 1985)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
JP 62057676 A		March 13, 1987	N/A
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JP 90049148 B		October 29, 1990	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 62057676A	N/A	
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INT-CL (IPC): B05D001/36, B05D005/06

ABSTRACTED-PUB-NO: JP 62057676A

BASIC-ABSTRACT:

Matt film is formed by (1) coating base coat paint contg.
1-25 wt.% colouring
pigment based on total solid in base coat paint on a
substrate. (2) coating

top coat paint contg. 3-15% matt pigment based on total solid in top coat paint on wet base coat film and (3) drying simultaneously both films.

Pref. base coat resins, are acrylic resin and melamine resin are used and as matt pigment, SiO₂ and silicates etc. with average prim particle size of under 4-6 microns are used.

ADVANTAGE - As 2 kinds of paints of which functions are different are coated and dried simultaneously, chalking and fading in coated films do not occur if left outdoors for long periods.

Typically base coat paint diluted with thinner is sprayed on cold drawn steel plate which is pre-treated and on which electrodeposited film and intermediate film are formed so that dried base coat film thickness is 15microns. After leaving the plate for 3 mins, top coat paint diluted with thinner is coated so that film thickness is 30 micron set for 10 mins and baked at 140 deg.C for 30 mins.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A14 A21 A82 G02 M13 P42

CPI-CODES: A08-E01; A11-B05; A12-B01; G02-A02B; M13-H;